

In the Claims:

1. A vehicle trim panel/radiator element integral unit comprising:
a multi-layer substrate comprising a core layer and at least one outer layer, said substrate being formed so as to have a first region compressed to a first thickness and a second region having a second thickness which is greater than said first thickness, said first region defining an audio speaker radiator element, and said second region being integral with said first region.
2. A vehicle trim panel/radiator element integral unit as set out in claim 1, wherein said substrate core layer comprises at least one of a polymeric foam layer; a polymeric fiber non-woven mat, a mineral fiber non-woven mat, and a mineral fiber/polymeric fiber non-woven mat.
3. A vehicle trim panel/radiator element integral unit as set out in claim 1, wherein said substrate outer layer comprises:
at least one polymeric structure; and
a non-woven mat structure.
4. A vehicle trim panel/radiator element integral unit as set out in claim 3, wherein said non-woven mat structure may comprise one or more of glass fibers, carbon fibers and cellulose fibers.
5. A vehicle trim panel/radiator element integral unit as set out in claim 4, wherein said substrate comprises two outer layers provided on opposing sides of said core layer.
6. A vehicle trim panel/radiator element integral unit as set out in claim 4,

wherein said substrate comprises two outer layers provided on each side of said core layer.

7. A vehicle trim panel/radiator element integral unit as set out in claim, 1 wherein said first thickness of said first region is from about 0.25 mm to about 3 mm and said second thickness of said second region is from about 0.8 mm to about 19 mm.

8. A vehicle trim panel/radiator element integral unit as set out in claim 1, further comprising a light fabric covering said first region and at least a first portion of said second region.

9. A vehicle trim panel/radiator element integral unit as set out in claim 8, wherein a second material covers a second portion of said second region.

10. A vehicle trim panel/radiator element integral unit as set out in claim 9, wherein said second material comprises one of vinyl and leather.

11. A vehicle trim panel/radiator element integral unit as set out in claim 1, wherein said integral unit comprises a vehicle interior door panel.

12. A vehicle trim panel/radiator element combination comprising:
a first substrate having at least one rib and at least one opening adjacent to said rib, said first substrate defining a vehicle interior trim panel;
and

a multi-layer second substrate comprising a core layer and at least one outer layer, said second substrate being located so as to extend at least partially over said opening, is secured to at least said first substrate rib, and

defines an audio speaker radiator element.

13. A vehicle trim panel/radiator element combination as set out in claim 12, wherein said first substrate comprises first and second ribs, and said second layer is secured to said first and second ribs.

14. A vehicle trim panel/radiator element combination as set out in claim 13, wherein said core layer of said second substrate comprises at least one of a polymeric foam layer; a polymeric fiber non-woven mat, a mineral fiber non-woven mat and a mineral fiber/polymeric fiber non-woven mat.

15. A vehicle trim panel/radiator element combination as set out in claim 14, wherein said outer layer of said second substrate comprises:

at least one polymeric structure; and
a non-woven mat structure.

16. A vehicle trim panel/radiator element combination as set out in claim 15, wherein said non-woven mat structure comprises one or more of glass fibers, carbon fibers and cellulose fibers.

17. A vehicle trim panel/radiator element combination as set out in claim 16, wherein said second substrate comprises two outer layers provided on opposing sides of said core layer.

18. A vehicle trim panel/radiator element combination as set out in claim 16, wherein said second substrate comprises two outer layers provided on each side of said core layer.

19. A vehicle trim panel/radiator element combination as set out in claim 12, further comprising a light fabric covering said second substrate and at least a first portion of said first substrate.
20. A vehicle trim panel/radiator element combination as set out in claim 19, wherein a second material covers a second portion of said first substrate.
21. A vehicle trim panel/radiator element combination as set out in claim 20, wherein said second material comprises vinyl or leather.
22. A vehicle trim panel/radiator element combination as set out in claim 12, wherein said first substrate has a thickness of from about 0.8 mm to about 19 mm.
23. A vehicle trim panel/radiator element combination as set out in claim 22, wherein said second substrate has a thickness of from about 0.25 mm to about 3 mm.